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QUESTION 1

Which of the following allows the use of multiple virtual servers using different DNS names resolved by the same IP address?

- A. HTTP 1.1
- B. JAVA
- C. HTML
- D. VPN

Correct Answer: A

HTTP 1.1 allows the use of multiple virtual servers, all using different DNS names resolved by the same IP address. The WWW service supports a concept called virtual server. A virtual server can be used to host multiple domain names on the same physical Web server. Using virtual servers, multiple FTP sites and Web sites can be hosted on a single computer. It means that there is no need to allocate different computers and software packages for each site. Answer: D is incorrect. VPN stands for virtual private network. It allows users to use the Internet as a secure pipeline to their corporate local area networks (LANs). Remote users can dial-in to any local Internet Service Provider (ISP) and initiate a VPN session to connect to their corporate LAN over the Internet. Companies using VPNs significantly reduce long-distance dial-upcharges. VPNs also provide remote employees with an inexpensive way of remaining connected to their company's LAN for extended periods. Answer: B is incorrect. Java is an object oriented programming language developed by Sun Microsystems. It allows the creation of platform independent executables. Java source code files are compiled into a format known as bytecode (files with .class extension). Java supports programming for the Internet in the form of Java applets. Java applets can be executed on a computer having a Java interpreter and a run-time environment known as Java Virtual Machine (JVM). Java Virtual Machines (JVMs) are available for most operating systems, including UNIX, Macintosh OS, and Windows. Answer: C is incorrect. HTML stands for Hypertext Markup Language. It is a set of markup symbols or codes used to create Web pages and define formatting specifications. The markup tells the Web browser how to display the content of the Web page.

QUESTION 2

You work as a Database Administrator for XYZ CORP. The company has a multi-platform network. The company requires a database that can receive data from various types of operating systems. You want to design a multidimensional database to accomplish the task.

Which of the following statements are true about a multidimensional database?

- A. It is used to optimize Online Analytical Processing (OLAP) applications.
- B. It is used to optimize data warehouse.
- C. It is rarely created using input from existing relational databases.
- D. It allows users to ask questions that are related to summarizing business operations and trends.

Correct Answer: ABD

A multidimensional database (MDB) is a type of database that is optimized for data warehouse and Online Analytical Processing (OLAP) applications. Multidimensional databases are frequently created using input from existing relational databases. Whereas a relational database is typically accessed using a Structured Query Language (SQL) query, a



multidimensional database allows a user to ask questions like "How many Aptivas have been sold in Nebraska so far this year?" and similar questions related to summarizing business operations and trends. An OLAP application that accesses data from a multidimensional database is known as a MOLAP (multidimensional OLAP) application. Answer: C is incorrect. A multidimensional database is frequently created using input from existing relational databases.

QUESTION 3

You work as a Network Administrator for Tech Perfect Inc. The company has a Windows Active Directory- based single domain single forest network. The functional level of the forest is Windows Server 2003. The company has recently provided laptops to its sales team members. You have configured access points in the network to enable a wireless network. The company's security policy states that all users using laptops must use smart cards for authentication.

Which of the following authentication techniques will you use to implement the security policy of the company?

- A. IEEE 802.1X using EAP-TLS
- B. IEEE 802.1X using PEAP-MS-CHAP
- C. Pre-shared key
- D. Open system

Correct Answer: A

In order to ensure that the laptop users use smart cards for authentication, you will have to configure IEEE 802.1X authentication using the EAP-TLS protocol on the network.

QUESTION 4

Which of the following is required by a Web-based application to connect to a database?

- A. DSN
- B. DNS
- C. CGI
- D. FQDN

Correct Answer: A

A Web-based application uses Data Source Name (DSN) to connect to a database. DSN is a logical name used by Open Database Connectivity (ODBC) to refer to connection information required to access data. Answer: C is incorrect. The Common Gateway Interface (CGI) specification is used for creating executable programs that run on a Web server. CGI defines the communication link between a Web server and Web applications. It gives a network or Internet resource access to specific programs. For example, when users submit an HTML form on a Web site, CGI is used to pass this information to a remote application for processing, and retrieve the results from the application. It then returns these results to the user by means of an HTML page. Answer: D is incorrect. Fully Qualified Domain Name (FQDN) is a unique name of a host or computer, which represents its position in the hierarchy. An FQDN begins with a host name and ends with the top-level domain name. FQDN includes the second-level domain and other lower level domains. For example, the FQDN of the address HTTP://WWW.UNI.ORG will be WWW.UNI.ORG where WWW is the host name, UNI is the second-level domain, and ORG is the top-level domain name. Answer: B is incorrect. Domain Name System (DNS) is a hierarchical naming system used for locating domain names on private TCP/IP networks and the Internet. It



provides a service for mapping DNS domain names to IP addresses and vice versa. DNS enables users to use friendly names to locate computers and other resources on an IP network. TCP/IP uses IP addresses to locate and connect to hosts, but for users, it is easier to use names instead of IP address to locate or connect to a site. For example, users will be more comfortable in using the host name www.uCertify.com rather than using its IP address 66.111.64.227.

QUESTION 5

On which of the following does a CGI program execute?

- A. Router
- B. Web server
- C. Client
- D. Client and Web server

Correct Answer: B

The Common Gateway Interface (CGI) specification is used for creating executable programs that run on a Web server. CGI defines the communication link between a Web server and Web applications. It gives a network or Internet resource access to specific programs. For example, when users submit an HTML form on a Web site, CGI is used to pass this information to a remote application for processing, and retrieve the results from the application. It then returns these results to the user by means of an HTML page. Answer: A is incorrect. CGI programs do not execute on routers.

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